



FEMA HMGP Funding Provides Security in Port Neches

Full Mitigation Best Practice Story

Jefferson County, Texas

Port Neches, TX – As Hurricane Ike ravaged the coast near the Louisiana-Texas border with wind gusts of more than 110 mph, Emergency Management Coordinator Stephen Curran and Police Chief Paul Lemoine hunkered down in the Port Neches fire house. The two local officials could only hope that mitigation measures funded through the Federal Emergency Management Agency's (FEMA's) Hazard Mitigation Grant Program (HMGP) would spare the town from the degree of damage caused by Hurricane Rita 3 years earlier.



The purpose of HMGP is to reduce the loss of life and property in future disasters by funding mitigation measures during the recovery phase of a disaster. FEMA provides up to 75 percent of the funding, with the remainder coming from the state or applicant or both. The state administers the program and selects the projects with approval by FEMA. Applicants, which must have FEMA-approved hazard mitigation plans, may be states, local governments, Indian tribes, or certain nonprofits. Funds can be used for long-term mitigation measures, including protection of public or private property.

Following Hurricane Rita, Port Neches received funding through the FEMA Public Assistance Grant Program to return damaged public facilities to their pre-disaster conditions. City officials then became aware of the HMGP opportunity to strengthen the facilities. "We went to a seminar and found out what kind of projects would be considered for funding, and we took advantage of the program," Curran said.

In January 2007, Port Neches received eight HMGP grants, totaling \$1,512,825, to implement wind retrofit projects. Retrofitting measures were completed on the public works building, library, community center, fire station, city hall, sewer plant, senior citizens center, and police station.

The projects involved re-roofing using FM Global 1-150 rated roofs. This type of roofing meets design and installation criteria mandated by the Factory Mutual Research Corporation, the nonprofit research arm of the Factory Mutual Insurance Company. The 1-150 rating is laboratory tested using an uplift test load of 150 pounds per square foot. The mitigation projects also included replacing existing entry doors with heavy-duty, impact-resistant doors and adding electric roll-down storm shutters to windows.

"During Hurricane Ike, all shutters were in place. It was neat to simply push a button to secure the buildings. This freed up our time to concentrate on getting people to safety," Curran said. "In the past, it took us a couple of days to secure public buildings with plywood."

Some of the HMGP funds were used for the safe room at the Effie and Wilton Hebert Public Library. A safe room is an interior space that is fortified to provide a high level of protection against extreme winds, such as those in hurricanes and tornadoes.

Curran speaks proudly of the advantages of the mitigation measures undertaken and plans to take advantage of future HMGP funding. "We spent every penny that FEMA gave us, wisely. With the high winds from Hurricane Ike, those high impact doors were awesome, the roofs remained intact and the shutters did their job. It was definitely money well spent."

Several facilities that were not mitigated, including the post office and public works annex, suffered damage from Hurricane Ike.

Activity/Project Location

Geographical Area: **Single County in a State**

FEMA Region: **Region VI**

State: **Texas**

County: **Jefferson County**

City/Community: **Port Neches**

Key Activity/Project Information

Sector: **Public**

Hazard Type: **Hurricane/Tropical Storm; Coastal Storm**

Activity/Project Type: **Retrofitting, Non-structural**

Structure Type: **Masonry, Reinforced; Metal Building**

Activity/Project Start Date: **01/2007**

Activity/Project End Date: **Ongoing**

Funding Source: **Hazard Mitigation Grant Program (HMGP); Local Sources**

Funding Recipient: **Critical Facility - Police/Fire**

Application/Project Number: **#0017,0018,0019,0020,0021.0022,0023**

Activity/Project Economic Analysis

Cost: **\$241,969.00 (Estimated)**

Activity/Project Disaster Information

Mitigation Resulted From Federal
Disaster? **Yes**

Federal Disaster #: **1606 , 09/24/2005**

Federal Disaster Year: **2005**

Value Tested By Disaster? **Yes**

Tested By Federal Disaster #: **1791 , 09/13/2008**

Repetitive Loss Property? **No**

Reference URLs

No URLs were submitted

Main Points
No Main Points were entered.